

Specification:

According to the examiner's indication, we amended BRIEF DESCRIPTION OF THE DRAWINGS and DESCRIPTION OF THE PREFERRED EMBODIMENT in the specification. They will replace prior version.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is a sectioned side part view of the cap that the sweatband, which is made of micro fiber yarn, of the present invention is attached;

Figure 2 is a perspective view of the sweatband of the present invention;

Figure 3 is an enlarged sectional view of magnifying the micro fiber yarn comprising the sweatband of the present invention.

Figure 4 is an enlarged view of the woven structure of the sweatband of the present invention.

DESCRIPTION OF THE PREFERRED EMBODIMENT

In describing preferred embodiments of the invention illustrated in the drawings, it is to be understood that these embodiments are given by way of illustration only. It is not intended that the invention be limited in its scope to the details of construction and arrangement of components set forth in the following description or illustrated in the drawings. Also, in describing the preferred embodiments, specific terminology will be resorted to for the sake of clarity. It is to be understood that each specific term includes all technical equivalents which operate in a similar manner to accomplish a

similar purpose.

The present invention is directed to a sweatband suitable for use with headwear of various types, but is described herein in connection with a baseball-style cap as shown in Figure 1. It is understood that the inventive sweatband may also be used with other types of headwear or even alone.

According to the embodiment illustrated in Figure 1, the present invention is to the baseball-style cap comprising a crown main body 1 having one or more of sheets of panels, a visor portion 2 which is attached to the bottom of front of said crown portion, a sweatband 3 which is attached to under circular portion of inside of said crown. The sweatband 3 has the feature of being made of 0.5 ~ 1.05 denier of micro fiber yarn having no polyurethane and being woven by 1.04 denier of micro fiber yarn containing 100% polyester. When wearers wear the cap having said sweatband, they feel softer than the current one being naturally fit for the wearer's head size without additional size controller as the sweatband 3 is stretched. The sweatband 3 has also features of excellent sweat absorption, highly washable function, high dryness factor and anti-static electricity function.

Figure 2 is a perspective view of the sweatband of the present invention. As shown in Figure 2, the sweatband 3 is

woven in a ~~cylinder~~ tubular two-ply 4, 5 shape without an additional stitched portion, and may be single ply or two-ply according to the woven shape with the resulting effect that the sweatband 3 is stretchable as a result of the structure of the textile. And there are 4 stitching lines 6a, 6b, 6c, 6d on the sweatband 3. The sweatband 3 is woven 150 D / 144 yarn warp-way with at least 2 or more of yarns and 450 D / 432 yarn weft-way using 1.04 denier of micro fiber yarn, and has the feature of having twist per each certain length. The 150 D / 144 yarn means that 144 ea of 1.04 denier micro fiber yarns comprises a strand of which thickness is 150 denier. As the foregoing descriptions, though the sweatband does not contain polyurethane, it is made to have elasticity having the effect to be stretched by the structure of the textile. While the thickness of the micro fiber yarn of the present embodiment is 1.04 denier, 0.5 ~ 1.05 denier may be used in real use. The sweatband 3 has a width that is preferably within the range of 25mm to 70mm and does not include or require an additional stitching portion. In addition to providing excellent sweat absorbing capability, the sweatband according to the present invention does not exert undue pressure such that the cap remains comfortable when worn for extended time periods. The yarn used to produce the sweatband is processed by a high temperature method and piece dyeing method,

and has the feature of twist per each certain length.

Figure 3 is a sectioned view of magnifying a micro fiber among the sweatband of the present invention. As shown on Figure 3, you may see 600 x enlarged view of the sectional micro fiber yarn from the sweatband of the present invention containing 100% polyester. More or less big spots on the picture are the sectional portion of micro fiber yarn of which the thickness is measured $16.252\mu\text{m} \sim 19.681\mu\text{m}$.

Figure 4 is an enlarged view of the woven structure of the sweatband of the present invention. As shown, the sweatband is composed of a plurality of strings of yarns in weft-way and warp-way, with a twist interval of the weft 7a, 7b and the warp 8, wherein a pair of strings in weft-way is repeatedly and continuously twisted in an interval. The pair of strings 7a, 7b in weft-way are placed over 3 strings and then under the next 6 strings in warp-way.

The foregoing descriptions and drawings should be considered as illustrative only of the principles of the invention. The invention may be configured in a variety of shapes and sizes and is not limited by the dimensions of the preferred embodiment. Numerous applications of the present invention will readily occur to those skilled in the art. For example, the headband may be incorporated into hats, caps and

visors of other styles, or may be used alone. Therefore, it is not desired to limit the invention to the specific examples disclosed or the exact construction and operation shown and described. Rather, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention.